

CLAIMS

What is claimed is:

1. A mobile device comprising:
 - a housing;
 - 5 a speaker disposed within the housing for projecting audible signals from the mobile device; and
 - a combined attachment and acoustic port disposed on the housing, the combined attachment and acoustic port configured to project audible sound from the speaker and further including an attachment member
 - 10 for attaching an external member to the mobile device.
2. The mobile device of claim 1 wherein the attachment member comprises a support bar disposed in the combined attachment and acoustic port.
- 15 3. The mobile device of claim 2 wherein the support bar comprises a rigid material spanning the combined attachment and acoustic port.
4. The mobile device of claim 2 wherein the support bar is spaced from the housing to enable a portion of the external member to extend between the support bar and the housing.
- 20 5. The mobile device of claim 4 wherein the support bar is spaced from the housing to enable a spring clip disposed on one end of the external member to extend between the support bar and the housing.
- 25 6. The mobile device of claim 1 further comprising an acoustic channel disposed within the mobile device between the speaker and the combined attachment and

acoustic port to acoustically connect the speaker to the combined attachment and acoustic port.

7. The mobile device of claim 1 wherein the speaker projects high-level voice
5 audio via the combined attachment and acoustic port.

8. The mobile device of claim 1 wherein the speaker projects notification signals via the combined attachment and acoustic port.

10 9. The mobile device of claim 1 wherein the mobile device comprises at least one of a portable radio, a portable cassette player, a portable CD player, a portable mini-disc player, and a portable MP3 player.

10. The mobile device of claim 1 further comprising a communication circuit
15 disposed within the housing for transmitting and receiving signals.

11. The mobile device of claim 10 wherein the mobile device comprises at least one of a cellular telephone, a personal data assistant, a pager, and a personal communications system.

20

12. The mobile device of claim 1 wherein the combined attachment and acoustic port is disposed on an outer edge of the housing.

13. A method of outputting audible signals from a mobile device comprising a housing and a speaker for projecting the audible signals disposed within the housing, the method comprising:

providing a recessed acoustic port on at least a portion of the housing to
5 project acoustic sound from the mobile device; and
placing an attachment member in the acoustic port for attaching an external
member to the mobile device.

14. The method of claim 13 wherein placing the attachment member in the
10 acoustic port comprises spanning the attachment member across the recessed
acoustic port and spaced with respect to the recessed acoustic port a sufficient
amount to enable a portion of the external member to attach to the attachment
member.

15. 15. The method of claim 13 further comprising providing an acoustic channel
within the mobile device between the speaker and the combined attachment and
acoustic port to direct the audible signals from the speaker to the acoustic port.

16. A mobile device comprising:
a housing;
a combination attachment and acoustic port formed at least partially in the
housing, the combination attachment and acoustic port including a
surrounding wall structure and at least one attaching bar extending
across the port for connecting to an external member,
wherein the attaching bar is spaced with respect to the port such that an open
area around the attaching bar is of a sufficient size to allow the
external member to be attached around the attaching bar; and
10 a speaker positioned within the mobile device with respect to the combination
attachment and acoustic port for directing sound through the
combination attachment and acoustic port and out of the mobile
device.

15 17. The mobile device of claim 16 wherein the attaching bar comprises a rigid
material.

18. The mobile device of claim 16 further comprising an acoustic channel
disposed within the mobile device between the speaker and the combined
20 attachment and acoustic port to direct sound through the combination attachment
and acoustic port and out of the mobile device.

19. The mobile device of claim 16 wherein the speaker directs high-level voice
audio out of the mobile device via the combined attachment and acoustic port.

25 20. The mobile device of claim 16 wherein the speaker projects notification
signals out of the mobile device via the combined attachment and acoustic port.

21. The mobile device of claim 16 wherein the mobile device comprises at least one of a portable radio, a portable cassette player, a portable CD player, a portable mini-disc player, and a portable MP3 player.

5

22. The mobile device of claim 16 further comprising a communication circuit disposed within the housing for transmitting and receiving signals.

23. The mobile device of claim 22 wherein the mobile device comprises at least 10 one of a cellular telephone, a personal data assistant, a pager, and a personal communications system.

24. The mobile device of claim 16 wherein the combined attachment and acoustic port is disposed on an outer edge of the housing.

15

25. A mobile device comprising:

a housing; and

a combination port disposed at least partially in the housing comprising:

projecting means for projecting audible signals from the mobile device;

5 and

attaching means for attaching an external member to the mobile device.

26. The mobile device of claim 25 wherein the attaching means for attaching the

10 external member comprises an attachment member disposed in the combination

port.

27. The mobile device of claim 26 wherein the attachment member is spaced with

respect to the combination port such that an open area defined between the

15 attachment member and the combination port is of a sufficient size to attach the

external member to the attachment member.

28. The mobile device of claim 25 further comprising channeling means for

channeling the audible signals from a speaker disposed within the housing to the

20 combination port.

29. The mobile device of claim 25 wherein the mobile device comprises at least

one of a portable radio, a portable cassette player, a portable CD player, a portable

mini-disc player, and a portable MP3 player.

25

30. The mobile device of claim 25 further comprising transmitting means for

transmitting and receiving communication signals.

31. The mobile device of claim 30 wherein the mobile device comprises at least one of a cellular telephone, a personal data assistant, a pager, and a personal communication system.

5